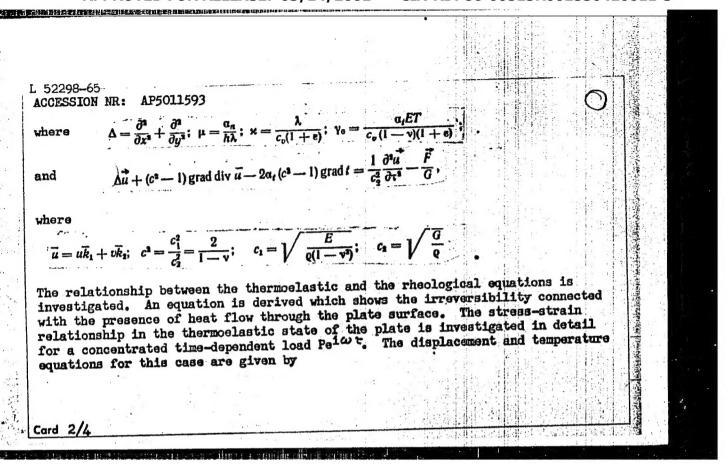
EWT(d)/EWT(1)/EWT(m)/EWP(w)/EPF(c)/EPF(n)-2/EWG(m)/EWA(d)/EPRL 52298-65 UR/0198/65/001/003/0107/0115 WW/EM Pr-4/Ps-4/Pu-4 AP5011593 ACCESSION NR: AUTHOR: Shvets, R. N. (L'vov) TITLE: Interconnected problem of thermoelasticity for a thin plate SOURCE: Prikladnaya mekhanika, v. 1, no. 3, 1965, 107-115 TOPIC TAGS: thermoelasticity, thermodynamics, heat transfer, stress distribution, irreversible thermodynamics, stress load, elastoplastic, equation of state ABSTRACT: The interrelated equations of thermoelasticity for a thin plate in the presence of heat transfer were derived from irreversible thermodynamics considerations. Starting with the equation of the thermodynamics of deformation  $d\Phi = -SdT - \left(\frac{1}{3}\delta_{ij} + e_{ij}\right)d\sigma_{ij}, \quad (i, j = 1, 2, 3),$ and the appropriate equation of state  $\sigma_{ij} = ke\delta_{ij} + 2G\epsilon_{ij} - \alpha_i K(1+v) \delta_{ij}$  $T(S-S_0)=c_0t+\alpha_1T\sigma^{\bullet}.$ the following complete set of thermoelastic equations is obtained Card 1/4 ...

#### "APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001550410011-3



L 52298-65 AP5011593

$$\begin{split} \overline{u}_n &= \frac{l\left(-\frac{1}{l}\right)^{n+1}}{4Gc_2^2n!} \stackrel{\leftrightarrow}{(l \cdot \nabla)}^n \left\{ \left[\omega_2^2\overline{P} + \operatorname{grad}\left(\overline{P} \cdot \overline{\nabla}\right)\right] H_0^{(2)}\left(\omega_2P\right) + \right. \\ &\quad + \operatorname{grad}\left(\overline{P} \cdot \overline{\nabla}\right) \left[AH_0^{(1)}\left(\alpha P\right) - BH_0^{(1)}\left(\beta P\right)\right] \right\} e^{\operatorname{fort}}; \\ t_n &= \frac{\gamma_0 \omega_1 \left(-1\right)^n}{4GDc_2^2n!} \stackrel{\leftrightarrow}{(l \cdot \nabla)}^n \left(\overline{P} \cdot \overline{\nabla}\right) \left[H_0^{(1)}\left(\alpha P\right) - H_0^{(1)}\left(\beta P\right)\right] e^{\operatorname{fort}}; \\ A &= \frac{\omega_1^2 - \beta^2}{D}; B = \frac{\omega_1^2 - \alpha^2}{D}. \end{split}$$

These equations show the presence of elastic transverse waves propagating with a constant velocity c2, and elastic longitudinal and thermal waves with the corres-

ponding velocities

$$v_1 = -\frac{\omega}{\operatorname{Re}\alpha}; \quad v_2 = -\frac{\omega}{\operatorname{Re}\beta}.$$

A few special cases for the concentrated load are discussed and the stress-strain equations given. Orig. art. has: 43 equations.

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L 51874-65 ENT(m)/EMP(i)/T/EMP(t)/EMP(b) Pad JD/HN

ACCESSION NR: AP5011779

UR/0198/65/001/001/0025/0029

AUTHOR: Shvets, R. N. (L'vov)

TITLE: On the uniqueness of a solution of the dynamic problem of thermoelasticity of thin shells

SOURCE: Prikladnaya mekhanika, v. 1, no. 4, 1965, 25-29

TOPIC TAGS: thermoelasticity dynamic problem, thermoelasticity, thermoelastic method, thin shell

ABSTRACT: Certain problems related to the subject of thermoelasticity of thin shells with consideration given to complicated boundary conditions are discussed. The work is an extension of the results presented by J. H. Weiner (A uniqueness theorem for the coupled thermoelastic problem, Quart., Appl. Math., 15, No. 1, 1957). The problem is presented in terms of: 1) the differential equations describing the stress-deformed condition of a thin thermoelastic shell; 2) the temperature characteristics related to rate of displacement; 3) equations giving elasticity and Poisson ratio relationships; and 4) geometrical coordinate equations. Taken together, these equations form the complete system of coupled equations of thermoelasticity of thin shells. A set of boundary conditions intro-

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duced here takes into account	comptrie and time veriet	ions of temperature within	1 2.5
duced here takes into account the structure. It is proved	that a unione set of terms	return functions exists and	
satisfies the linear system	that a unique set of campa	that the method can be	
applied to other sets of comm	31ven. The author commence	rig art. has: 19 equations	
applied to other sets of com	non commary counterous.	TR. Gros imp.	
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ASSOCIATION: Fiziko-mekhanic	cheskly institut an ukrasa	(Physico-Mechanics Institute	
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KUSEN', S.I.; SHVETS, S.F. [Shvets', S.F.]

Phenols in precipitates obtained during the action of trichloroacetic acid on liver tissue and the digestive tract wall of adult cattle and fetuses. Dop. AN URGR no. 12:1625-1628 '64. (MIRA 18:1)

1. Ukrainskiy nauchno-iseledovatel'skiy institut fiziologii biokhimii sel'skokhozyaystvennykh zhivotnykh. Predstavleno akademikom AN UkrSSR M.F.Gulym [Hulyi, M.F.].

KUSEN', S.I.; SHVETS, S.F. [Shvets', S.F.]

Concentration of conjugated phenol compounds in the tissues of the liver and the walls of the alimentary tract of fetuses and adult cattle. Ukr. biokhim. zhur. 36 nc.5:756-766 '64.

A CONTRACT OF THE PROPERTY OF

(MIRA 18:6)

l. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh, L'vov.

SOFCHERKO, Aleksandra Viktorovna [Sobchenko, O.V.]; NEGOVSKIY, M.M. [Nehovs'kyi, M.M.], doktor biolog.nauk, otv.red.; SHVETS', S.I., red.

[Experience in obtaining high sugar-beet yields] Dosvid oderzhannia vysokykh urozhaiv tsukrovykh buriakiv. Kyiv, 1960. 29 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan! Ukrains!koi RSR. Ser.6, no.14). (MIRA 13:10) (Sugar beets)

DZYUBA, Nikolay Yevtikhiyevich [Dziuba, M.IE.], agronom; BUGAY, S.M. [Bukhai, S.M.], doktor sel'skokhoz.nauk, otv.red.; SHVETS', S.I., red.

[Seed production on collective and state farms] Masinnytstvo u kolhospakh i radhospakh. Kyiv. 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.15). (MIRA 13:10)

(Seed production)

VORONIN, P. V., SHVETS, S. YE.

Glass Manufacture

Cutting head for sharpening the asbestos roller on VVS machine. Stek. i ker, 9 No. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

SHVETS, T.B.

Changes in the electrical potential along a nerve following the formation in it of a focus of alteration by pressure. Preliminary report. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 4:94-100 60. (WIRA 13:7)

1. Iz Iaboratorii obshchey fiziologii tsentral'noy nerwnoy sistemy Instituta vysshey nerwnoy deyatel'nosti AN SSSR.

Zaveduyushchiy laboratoriyey - V.S. Rusinov.

(RIECTROPHYSIOLOGY) (NERVES)

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SHVETS, T.B.

Biopotentials of the rabbit's cerebral cortex recorded by means of a direct current amplifier. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 4:101-114 60. (MIRA 13:7)

1. Iz Laboratorii obshchey fiziologii tsentral'noy nervnoy sistemy Instituta vysshey nervnoy deyatel'nosti AN SSSR.

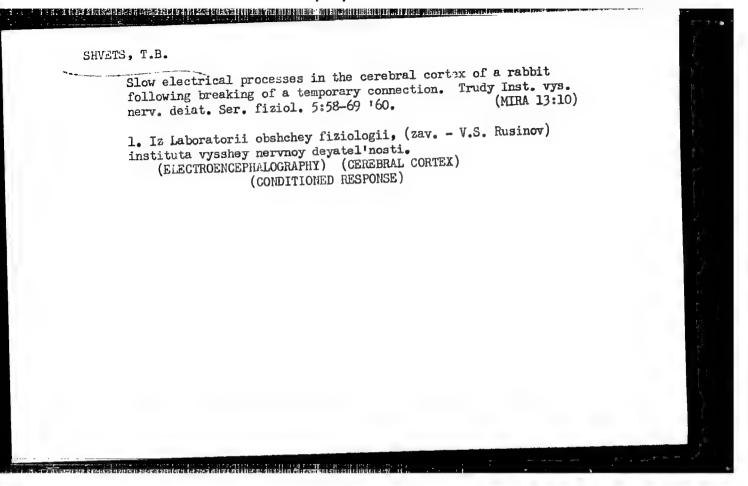
Zaveduyushchiy laboratoriyey - V.S. Rusinov.

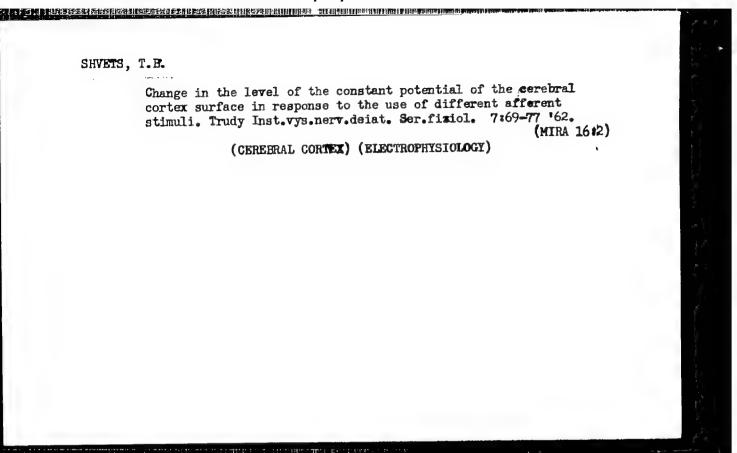
(KLECTROPHYSIOLOGY) (CEREBRAL CORTEX)

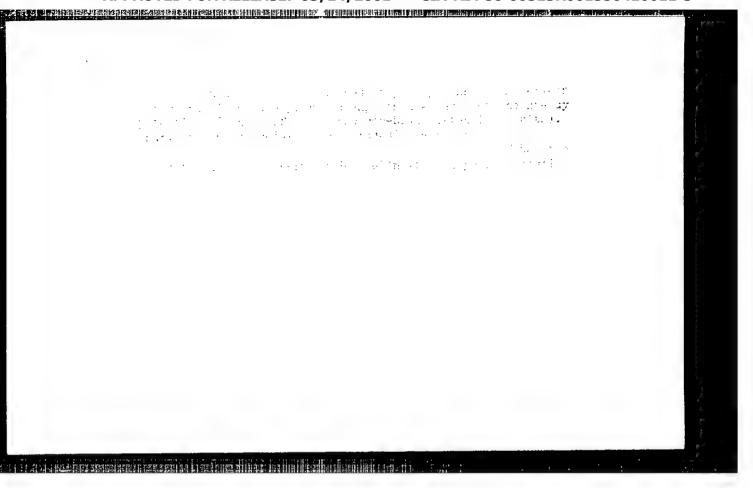
SHVETS, T.B.

Slow changes in the potentials of the cerebral cortex of a rabbit under the influence of pressure on the cortical end of the motor analysor. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 4:115-125 '60. (MIRA 13:7)

1. Iz Laboratorii obshchey fiziologii tseutral'noy nervnoy sistemy Instituta vysshey mervnoy deyatel'nosti AN SSSE, Zaveduyushchiy laboratoriyey - V.S. Rusinov. (ELECTROPHYSIOLOGI) (CEMEBRAL CORTEX)







HIKRISON, I.H.; BASKOVICH, TS.L.; SKVETS, TS.I.

Method for the bacteriological study of convalescents and those who have had dysentery. Lab. delo 7 no.12:36-37 D '61.

(MIRA 14:11)

1. Khar'kovskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya (glavnyy vrach I.I.Chernov).

(DYSENTERY)

L' 22533-65 EWT (m) /EFF (c) /EPA (w) -2 /EWP (j) /T Pc-4 /Pab-10 /Pr-4 RM/RWH/WW

ACCESSION NR: AP4047950 S/0020/64/158/005/1162/1165

AUTHOR: Natanson, E. M.; Khimchenko, Yu. I.; Shvets, T. M.

TITLE: The mechanism of the reaction of polymers with colloidal metal particles

at the moment of their formation on the cathode

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SOURCE: AN SSSR. Doklady\*, v. 158, no. 5, 1964, 1162-1165

TOPIC TAGS: natural rubber, polyisobutylene, carboxylate rubber, epoxy resin, colloidal iron, polymer colloidal metal reaction, IR spectrum

ABSTRACT: The reaction of polyisobutylene, natural rubber, carboxylate rubber and epoxy resin with colloidal iron particles at the instant of their formation on the cathode was investigated in order to explain the mechanism of the interaction of the polymer with the active surface of the metal particles. IR spectra of the reaction products of polyisobutylene or natural rubber with colloidal iron obtained electrolytically in the presence of oleic acid were the same as spectra of films of the pure polymers, indicating the macromolecules did not contact direct-

Card 1/2

L 22533-65

ACCESSION NR: AP4047950

ly with the surface of the colloidal metal particles but reacted with the oleic acid adsorbed on this surface. In the case of carboxylate rubber and of the epoxy resin the C=O and CH<sub>2</sub>-CH groups decreased as the colloidal iron concentration increas-

ed, indicating reaction similar to chemosorption of the polar fixing group with the colloidal particle surface. These results were confirmed by desorption studies of the polymer-colloidal iron reaction products: polyisobutylene and natural rubber were reversibly adsorbed while the carboxylate rubber and the epoxy were irreversibly adsorbed on the iron particle surface. Orig. art. has: 4 figures

ASSOCIATION: Institut obshchey i neorganicheskoy khimii Akademii nauk Ukrssr (Institute of General and Inorganic Chemistry, Academy of Sciences, Ukrssr)

SUBMITTED: 28Apr64

ENCL: 00

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OTHER: 000

Card2/2

UL'BERG, Z.R.; KHIMCHENKO, Yu.I.; SHVETS, T.M. [Shvets', T.M.]

Motallized polymers on the basis of colloidal lead. Dop. AN

URSR no.ll:1486-1489 165.

(MIRA 18:12)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

L 37642-66 EWI(m)/EWP(v)/EWP(j)/T IJP(c) DS/WW/RM  ACC NR: AP6017100 (A) SOURCE CODE: UR/0226/66/000/001/0029/0034	
AUTHORS: Natanson, E. M.; Khimchenko, Yu. I.; Ul'berg, Z. R.; Shvets, T. M.	
ORG: Institute of General and Inorganic Chemistry AN UkrSSR (Institute obshchey i neorganicheskoy khimii AN UkrSSR)	
TITLE: Organometallic polymers based on epoxy-dian resin ED-5 and colloidal lead	
SOURCE: Poroshkovaya metallurgiya, no. 1, 1966, 29-33	
TOPIC TAGS: organometallic compound, adhesive, organic synthetic process, electro- chemistry, epoxy resin, epoxy plastic/ == 5 epoxy resin	
ABSTRACT: The conditions for and the mechanism of interaction of colloidal lead (I) and epoxy-dian resin ED-5 (II) to form organometallic polymers were studied. It was established in a previous work by E. M. Natanson, Yu. I, Khimchenko, and T. M. Shvets (DAN SSSR(v pechati)) that the adhesive power of the epoxy resin is directly related to the number of epoxy rings which open upon reacting with the metal. Organometallic polymers were obtained by the electrolytic method described by E. M. Natanson (Kolloidnyye metally, Izd-vo AN UkrSSR, K., 1959). The effect of the current density, concentration of the electrolyte and the polymer, temperature, and investigated. It was established by means of infrared spectroscopy that the polar groups of II react with the surface particles of I at the instant of their appearance	-
Card 1/2	
Card 2/2 vmb	was of Contract

SHVETS, I.T., akademik; DYBAN, Ye.F., kand.tekhn.nauk; STRADOMSKIY, M.V., kand.tekhn.nauk; GUSAK, Ya.M., inzh.; ZATKOVETSKIY, G.N.; KLIMENKO, V.N.; NASYBULLINA, A.A.; CHEPASKINA, S.M.

The ISP of California and California and California

Development and study of the air cooling system of the rotor of the GT-6-750 high-pressure turbine. Energomashinostroenie 11 no.10:22-25 0 165. (MIRA 18:11)

1. AN UkrSSR (for Shvets).

14(3)

SOV/176-58-7-15/17

AUTHOR:

Shvets, V., Lieutenant Colonel, Hero of the Soviet Union

TITLE:

A Device for Laying Anti-Tank Mines Under Water (Prisposobleniye dlya ustanovki protivotankovykh min pod

vodoy)

PERIODICAL:

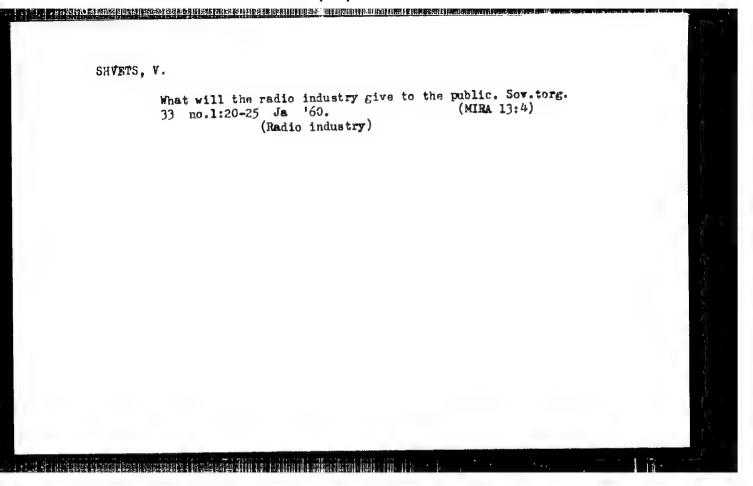
Voyenno-inzhenernyy zhurnal, 1958, Nr 7, p 41 (USSR)

ABSTRACT:

The author describes a device invented by Sergeant Sheremet'yev for the laying of mines under water. It is worked by 2 men and is operated by means of a lever. The saving in time, it is claimed, is considerable as against other more primitive methods.

There is 1 set of sketches.

Card 1/1



S/120/62/000/001/011/061 E032/E514

AUTHORS: Tsirlin, Yu.A., Shvets, V.A. and Khudenskiy, Yu.K.

TITLE: Determination of the resolution of scintillation

counters

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1962, 56-57

TEXT: The resolution of a scintillation counter with sodium iodide or caesium iodide phosphors is usually determined either as the half-width of the Cs<sup>1</sup>37 photo-peak divided by the corresponding channel number, or by comparing the two Co<sup>0</sup> peaks at 1.17 and 1.33 MeV with the depth of the minimum between them. There is no published method whereby the results of these two determinations can be compared. The authors have found a relation between the ratio of the 1.33 MeV peak to the ordinate of the minimum of the pulse height distribution curve and the resolution R<sub>Co</sub> for 1.33 MeV gamma-rays. In the calculation it was assumed that the photoelectric cross-section in this energy

was assumed that the photoelectric cross-section in this energy range is inversely proportional to  $E^{1\cdot 35}$ , that the form of the photo-peak is Gaussian and that the resolution of the scintillation

Card 1/2

Determination of the resolution ... 5/120/62/000/001/011/061 E032/E514

counter is inversely proportional to  ${\tt E}^{0.5}$ . It is shown that the relation between the above ratio and the resolution is in fact

$$\xi = 0.44 \exp{(115/R^2)}$$
.

This result is in good agreement with the reported experimental values for crystals with linear dimensions in excess of 1 cm. There is 1 figure.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov, stsintillyatsionnykh materialov i

osobo chistykh khimicheskikh veshchestv (All Union Scientific Research Institute of Monocrystals, Scintillator Materials and Extrapure Chemical Substances)

SUBMITTED:

May 26, 1961

Card 2/2

L 16436-65 EPA(s)-2/EWT(m)/EWP(t)/EWP(b) Pt-10 IJP(c)/ASD(f)-2 JD/JG ACCESSION NR: AP4048746 S/0051/64/017/005/0737/0738

AUTHORS: Baturicheva, Z. B.; Gurevich, N. Yu.; Tsirlin, Yu. A.; Shvets, X. A.

TITLE: Effect of plastic deformation on the light yield of NaI(T1) crystals

SOURCE: Optika i spektroskopiya, v. 17, no. 5, 1964, 737-738

TOPIC TAGS: scintillator, plastic deformation, light yield

ABSTRACT: The purpose of the investigation was to determine the cause of the reduction in the light yield of a gamma-excited plastically deformed NaI(T1) crystal with 0.07% T1 concentration by weight. The plastic deformation was produced with a hand vise. The samples in the form of plates measuring 1 x 10 x 10 mm were packed in special containers with a reflector made of aluminized dacron film, which served also as the container wall on the gamma-irradia-

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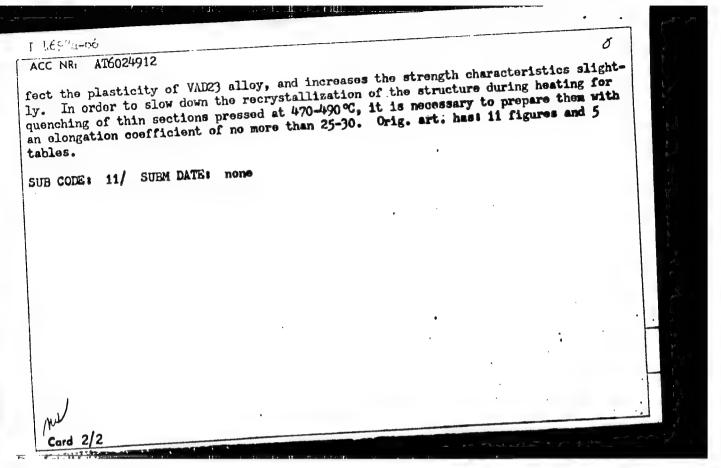
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tion side. The light yield was measured relative to the characteristic copper Ka line with a scintillation counter consisting of an FEU-29 photomultiplier and two single-channel AADO-1 differential analyzers, one of which served as an amplifier. The relative light yield was also measured under gamma irradiation from a 0.5 mCi co60 source by an integral method, using an FEU-29 photomultiplier and an M-95 microammeter. The experiments were performed at 25C. absorption of the crystals was measured in the 500--1100 nm range with an SF-4 spectrophotometer. The light yield decreases with increasing plastic deformation, but the absorption remained practically constant. The transparency and the intensity of the high-temperature emission also decreased with increasing stress. It is concluded that not all the decrease in light yield is due to the increase in the absorption in the crystals, and that some of the decrease is due to a trapping of the luminescence centers by vacancies. Orig. art. has: 2 figures.

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I. 1.6981.66 EWT(m)/EWP(t)/ETI IJP(c) JH/JD  ACC NR. AT6024912 (A, N) SOURCE CODE: UR/2981/66/000/004/0037/0048  AUTHOR: Mikhaylov, K. N.; Kovrizhnykh, V. G.; Archakova, Z. N.; Baranchikov, V. M.;  Sandler, V. S.; Shvets, V. A.  40 81/	
ORG: none  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  The preparation of pressed semifinished products from VAD23 alloy  The preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished products from VAD23 alloy  TITLE: Preparation of pressed semifinished preparation of pressed semifinished preparation of pressed semifinished preparation of pressed semification of pressed semificat	1
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(Heat resistant and high-strength elloys), 37240  (Heat resistant and high-strength elloys), 37240  TOPIC TAGS: aluminum alloy, metal pressing, solid mechanical property / VAD23 aluminum alloy  ABSTRACT: In order to determine the possible applications of VAD23 alloy, the influence of various technological factors on its mechanical properties and structure was ence of various technological factors on its mechanical properties and produced by pressing investigated. The optimum mechanical properties were found to be produced by pressing investigated. The optimum mechanical properties were found to be produced by pressing investigated. The optimum mechanical properties were found to be produced by pressing directly from an ingot which had first undergone homogenization. The optimum pressing temperature of sections with a flange thickness of 5 mm, 470-490 °C, i. e., the temperature temperature of sections with a flange thickness of 5 mm, 470-490 °C, i. e., the temperature temperature of sections with a flange thickness of 5 mm, 470-490 °C, i. e., the temperature of attreture to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the blanks are heated, insures high strength characteristics and a comparative to which the pressing the produced by pressing the produced by pressing the pro	The second secon
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ACC NR: ART004873

SOURCE CODE: UR/0276/66/000/009/B042/B042

AUTHOR: Archakova, Z. N.; Kovrizhnykh, V. G.; Sandler, V. S.; Shvets, V. A.; Lebedeva, N. S.

TITLE: The effects of heating conditions prior to hardening and the amount of cold deformation after hardening on the mechanical properties and structure of pressed sections of VAD23 alloy

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9B267

REF SOURCE: Sb. Alyumin. splavy. M., Metallurgiya, vyp. 4, 1966, 57-64

TOPIC TAGS: heat effect, cold hardening, mechanical property, cold deformation, alloy

ABSTRACT: Dependence was established between the structure, mechanical properties, and conditions of preheating of pressed sections of the VAD23 alloy prior to hardening. It was recommended that the hardening temperature be maintained within the 515--525 C range. The extrusion ratio is set at 15-25 for a section with a flange up to 10 mm thick. The straightening of sections, following

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hardening by stretching with an amount of deformation of 1-4%, reduces strength characteristics of the sections by 2-4 kg/mm <sup>2</sup> ; change in the elongation. No changes in mechanical properties occur following higher of cold deformation. Repeated hardening does change the strength characteristic of the pressed sections from +1.7 to -11.6 kg/mm <sup>2</sup> and the per unit elong from +0.9 to -4.5%. The negative effect of repeated hardening increase increase in the extrusion ratio and the amount of cold deformation follow primary and secondary hardening. Orig. art. has: 7 figures. [Translate abstract]  SUB CODE: 11, 13/	degrees acteristics agation es with ving

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ACC NR: AT6024914 (1, N) SOURCE CODE: UR/2931/66/000/004/0057/0064	
AUTHOR: Archakova, Z. N.; Kovrizhnykh, V. G.; Sandler, V. S.; Shvets, V. A.; Lobedeva, N. S.	
ORG: none	
TITLE: Effect of heating conditions preceding quenching and of the degree of cold deformation after quenching on the mechanical properties and structure of pressed sections of VAD23 alloy	
SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 57-64	
TOPIC TAGS: Aluminum alloy, metal pressing, metal heat treatment / VAD23 aluminum alloy	
ABSTRACT: The relationship between the structure, mechanical properties, and heating conditions prior to the quenching of pressed sections of VAD23 alloy was determined. The temperature of heating for quenching of pressed semifinished products should be maintained between 515 and 525°C. The elongation coefficient during pressing of sections with a flange thickness up to 10 mm should be between 15 and 25. Straightening of the sections after quenching by the extension method with a degree of deformation of 1-4% decreases the strength characteristics of sections of VAD23 alloy by 2-4 kg/mm <sup>2</sup> without much change in elongation per unit length. High degrees of cold deformation do	
Card 1/2	

#### CIA-RDP86-00513R001550410011-3 "APPROVED FOR RELEASE: 03/14/2001

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ACC NR: AT6024914

not lead to a further change in mechanical properties. A second quenching changes the strength properties of pressed sections from +1.7 to -11.6 kg/mm<sup>2</sup> and the elongation from +0.9 to -4.5%. The negative effect of overquenching is greater the higher the elongation coefficient during pressing and the degree of cold deformation after the first and second quenching. It is concluded that in preparing pressed semifinished products from VAD23 alloy, it is necessary to limit the degree of deformation during straightening by extension after quenching to 3% and to avoid a second quenching. Orig. art. has: 7 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none

SAT(m)/SAP(k)/SAP(t)/ETI IJP(c) JH/JL W SOURCE CODE: UR/2981/66/300/004/6665/0069 ACC NR: AT6024915 AUTHOR: Mikhaylov, K. N.; Ovodenko, M. B.; Archakova, Z. N; Chernoskutov, Ye.F.; Shvets, V. A. ORG: none TIME: Manufacturing procedure and mechanical properties SOURCE: Alyuminiyevyyo splavy, no.4, 1966. Zharoprochnyye i vysokoprochnyye aplavy (Heat resistant and high-strength alloys), 65-69 TOPIC TAGS: aluminum alloy, copper containing alloy, lithium containing alloy, cadmium containing alloy, manganese containing alloy, titanium containing alloy, metal cladding, metal property/VAD23 aluminum alloy ABSTRACT: A manufacturing procedure for rolling aluminum-clad VAD23-alloy sheets has been developed. It is proposed that hot rolling be done in two stages. First, the pack, a slab, and a cladding plate are welded together by rolling at 270-340C. The prevolled packs are reheated to 450-5000 and rolled into a strip in a continuous mill. Nonclai sheets can be rolled in one stage at 450-500C. It was found that the plasticity in hot rolling of the alloy is greatly affected by the copper and lithium content. Susceptibility to cracking significantly increases when the copper content is above 5.3% and the lithium content is above 1.2%. With this method, sheets 0.5-5.0 mm thick were successfully rolled. Their tensile strength 1/2

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ACC NR: ATEO24915	0	g <sup>2</sup>
at room temperature was $55-60 \text{ kg/mm}^2$ and elongation was $2-7\%$ . Orig. art. has: 5 figures.	[TD]	4
SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 5056	i	
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Card 2/2 3		

SHUTTS W.B., mladshiy nauchnyy sotrudnik; SOKOLOV, N.M., kandidat tekhnicheskikh nauk, redaktor; PETROVA, V.V., redaktor izdatel'stva; MEL'NI-CHENKO, F.P., tekhnicheskiy redaktor

[Instructions for surface compaction of soils for building and structure foundations by means of heavy tamping machines] Ukazaniia po poverkhnostnomu uplotneniiu gruntov v osnovanii zdanii i sooruzhenii tiazhelymi trambovkami. U 136-55/Minstroi. Moskva, Gos. izdvo lit-ry po stroit. i arkhitekture, 1955. 15 p. (MLRA 9:10)

1. Russia(1923- U.S.S.R.) Ministeratvo stroitel'stva.

Tekhnicheskoye upravleniye. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut osnovaniy i fundamentov (for Shvets)

(Soil stabilization)

ABELEV, Yu.M., professor; SHVETS, V.B., inzhener

New method of preparing the soil under foundations of buildings and structures. Shor. mat. o nov. tekh. v stroi. 17 no.5:20-22 (Soil stabilization) (MLRA 8:6)

SHVEIS, V.B. Cand Tech Sci (diss) "Investigation of the effectiveness of heavy ranners in the consolidation of foundation Juntum,"

grounds of constructions," Los, 1956 14 pp 20 cm. (USSR Acad Constructions and Archi Scillescarch Inst. of Foundations and Inderground Construct 110 copies

(KL, 11-57, 99)

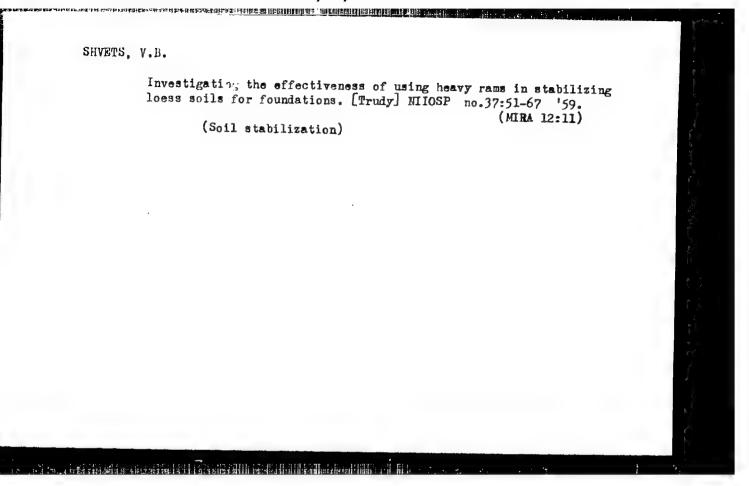
APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001550410011-3"

32

KRUTOV, V.I., inzhener; SHVETS, V.B., inzhener.

Preparing foundations for building on filled-in ground. Biul.stroi. tekh. 13 no.5:8-11 My \*56. (MLRA 9:8)

1. Nauchno-issledovatel'skiy institut osnovaniy i fundamentov Ministerstva stroitel'stva SSSR. (Soil mechanics) (Foundations)



KORZHENKO, L.I.; SHVETS, V.B.; RAYUK, V.F.

Eluvial soils of the Urals as foundation for structures.

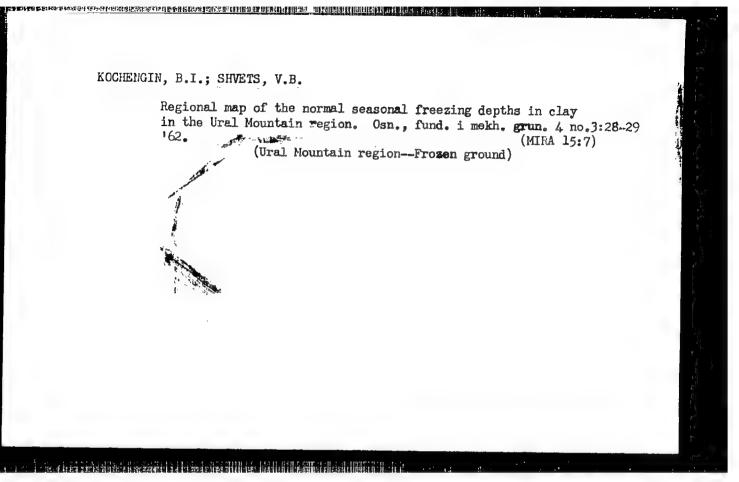
Trudy NII prom.zdun.i soor. no.4:5-20 °61. (MIRA 15:5)

(Ural Mountains—Soil mechanics)

SHVETS, V.B., kand.tekhn.nauk

Using eluval soils of the Urals for foundations. Izv. ASiA
4 no.2:22-90 '62.

(Ural Mountain region—Foundations)



BARSKOV, S.I.; SHVETS, V.B.

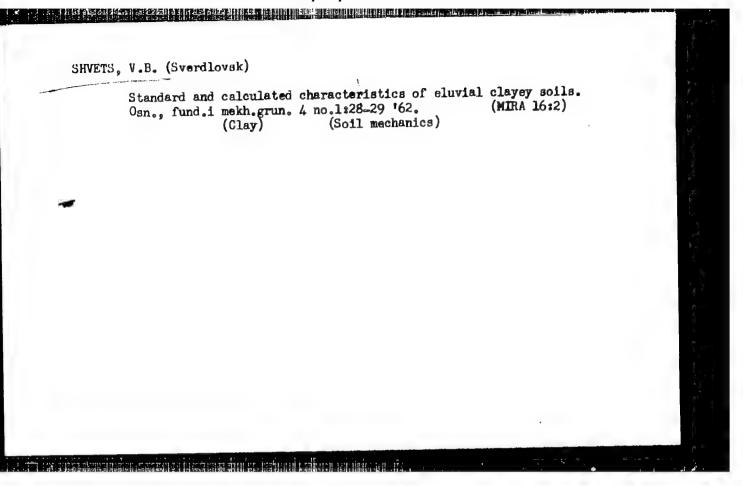
Depth of soil freezing in the Central Urals. Trudy NII prom. zdan.i soor. no.4:21-31 '61. (MIRA 15:5)

(Ural Mountains—Soil freezing)

SHVETS, V.B., kand.tekhn.nauk; KAZAKOV, P.P., inzh.

Testing soil for displacement by forcing it to bulge out in the field. Transp. stroi. 12 no.5:38-40 My '62. (MINA 15:6)

(Soil mechanics)



Regional design norms for foundations for use by Ural foundation workers. Osn., fund. i mekh. grun. 5 no.4:
16-27 163. (MIRA 16:11)

SHVETS, V.B. (Sverdlovsk)

Fvaluation of foundations made from weathered (alluvial) coarse fragmental soils. Osn., fund. i mekh. grun. 5 no.5:13-15 '63. (MIRA 16:10)

.MEVELD V.B., kand. teach. teck, KOCHENGIL, B.J., inzb.; NAGMERO, A.J., rel.

(Instructions on determining the depth for laying foundations under conditions of ground freezing in the Ural Mountain Region) Ukazonila po mazancheniin glubiny zaloznemina fundamentov iz uslovi; promerzaniia gruntov na Urale.

Sverdlovsk, 196%. 12 p.

(MIRA 18.7)

1. Sverdlovsk. Ural'skiy prometroyniiproyekt.

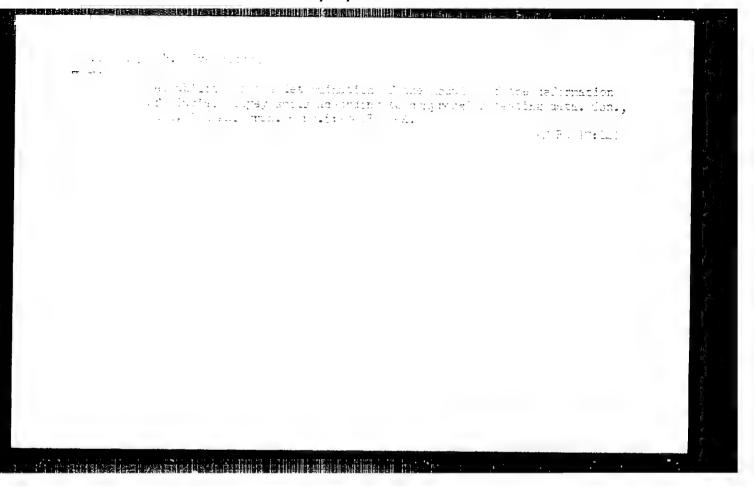
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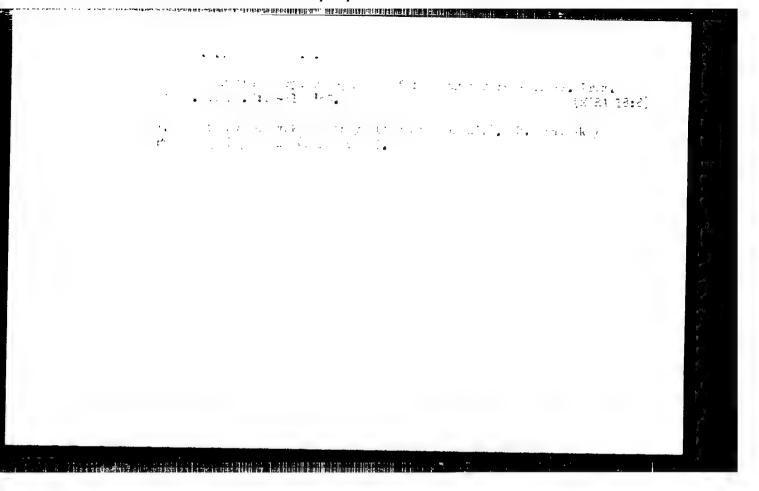
1. Overslovanty gorney institut insulitation in the structure of a fairaction). To Examinationally inferior and anity Turnalization of all these politics of consists of invitation (f) for shorehold).



SHVETS, V.B.; KAZAKOV, P.P.

Measuring the deformation area in cohesive soils; field studies. Osn., fund. i mekh. grun. 7 no.4:10-12 '65.

(MIRA 18:8)



S/187/62/000/006/002/003 D053/D112

AUTHOR:

Shvets, V.F.

TTTLE:

Interference method of measuring the wear resistance of

magnetic heads

PERIODICAL: Tekhnika kino i televideniya, no. 6, 1962, 18-22

TEXT: An interference method is described for measuring the wear resistance of magnetic heads and materials for making them under real operating conditions. The method was developed to speed up the research on new wear resistant materials for making magnetic heads. The method consists in making an impression a few microns thick, in the magnetic head and then determining an impression a few microns thick, in the magnetic head and then determining the wear resistance due to tape friction by directly measuring the depth of the impression by the displacement of interference lines. The impression the impression be arbitrarily chosen and the only requirement is that the surface of the impression be smooth. The interference lines are measured with the MMM-4 (MII-4) Linnik microinterferometer. Results of an experimental

Card 1/2

S/115/62/000/007/001/008 E194/E455

AUTHOR:

Shvets, V.F.

TITLE:

An interference method of measuring the thickness of

thin transparent films

PERIODICAL: Izmeritel'naya tekhnika, no.7, 1962, 5-6

When a groove or scratch cannot be made in a film its thickness can still be measured by normal interferometer methods by passing one of the interfering rays through the film and measuring the displacement of the colour interference bands. However. such measurements can only be made by transmitted light and, moreover, two separate successive interference patterns are required, with and without the film. The consequent additional errors exclude the photographic method of measuring displacement. The improved method now proposed uses light incident on the transparent film and partly reflected both from the upper and These two reflections cause separate interference lower surface. In white light two systems of coloured bands appear, each symmetrical about a white achromatic band surrounded by two. The two systems of bands are displaced in black bands. Card 1/3

S/115/62/000/007/001/008 E194/E455

An interference method ...

proportion to the film thickness and to the refractive index of the film. The following formula is derived for determining the film thickness:

 $h = \frac{\lambda}{4n} \left( \frac{2b}{a} - K \right)$ 

where  $\lambda = 550$  mµ; n - the refractive index of the film substance;  $\lambda = 1$  the distance between achromatic bands; a - the difference between neighbouring bands; K = 0 or 1, for instance for a glass film in air K = 1. Thus measurement of film thickness involves measurement of the distances  $\lambda$  and a. The method is practicable for films that cannot be touched or damaged, such as liquid films, and it is more sensitive than the usual method. Both systems of bands are observed simultaneously in the instrument and so the interference pattern can be colourphotographed for measurement. Variations in film thickness or refractive index are indicated by curvature of the line. The accuracy of the method falls off for thick specimens but they may possibly be measured by focusing a short-focus microscope Card 2/3

An interference method ...

S/115/62/000/007/001/008 E194/E455

successively on to the two interference patterns from the upper and lower surfaces, measuring the displacement and calculating the thickness in the usual way. There is I figure.

Card 3/3

#### SHVETS, V. F.

Interferential method of measuring small impressions in the determination of wear, Zav. lab. 28 no.12:1488-1489 '62. (MIRA 16:1)

1. Moskovskiy elektrotekhnicheskiy institut svyazi.

(Mechanical wear)

S/020/62/144/006/014/015 B108/B102

AUTHOR:

Shvets, V. F.

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TITLE:

Thermomagnetic saturation in a ferrite core

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 144, no. 6, 1962, 1293-1294

TEXT: The low Curie temperature of ferrites renders thermomagnetic phenomena in ferrite working materials a feature of interest for research. A ferrite core will be heated if an hf current passes through a coil around it. After, however, a certain current is exceeded the temperature will no longer rise, thermomagnetic saturation being reached which depends solely on the kind of material. Appropriate measurements which depends solely on the kind of material. Appropriate measurements have shown that this saturation temperature is only slightly higher than the Curie temperature. In first approximation, the phenomenon is explained by the broadening of the effective nonmagnetic gap. This phenomenon may be useful in measuring the Curie temperature of magnetodielectrics. There are 3 figures.

Card 1/2

Thermomagnetic saturation in...

S/020/62/144/006/014/015 B108/B102

ASSCCIATION:

Moskovskiy elektrotekhnicheskiy institut svyazi (Moscow

Electrotechnical Institute of Communications)

PRESENTED:

February 7, 1962, by I. K. Kikoin, Academician

SUBMITTED:

February 5, 1962

Card 2/2

SPIVAK, G.V.; IVANOV, R.D.; PAVLYUCHENKO, O.P.; SEDOV, N.N.; SHVETS, V.F.

TARREST BEAUTY THE HOLDER OF THE HILL THE THE THE THE THE THE TRANSPORT OF THE TRANSPORT OF

Visualization of a magnetic sound-recording field by means of an electron mirror. Izv. AN SSSR. Ser. fiz. 27 no.9:1210-1218 S '63. (MIRA 16:9)

l. Fizicheskiy fakul $^{1}$ tet Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(Electron optics) (Magnetic fields)

ACCESSION NR: AP4031092

5/0187/64/000/004/0041/0048

AUTHOR: Shvets, V. F.

TITLE: Temperature conditions of the ferrite magnetic head used for high-

frequency recording

SOURCE: Tekhnika kino i televideniya, no. 4, 1964, 41-48

ESPER DERMITTER FOR CONSTITUTE OF THE PRESENTANCE OF THE PRESENTANT OF THE PROPERTY OF THE PRO

TOPIC TAGS: magnetic recording, high frequency magnetic recording, magnetic recording head, ferrite magnetic recording head, ferrite recording head temperature, ty recording

ABSTRACT: A theoretical and experimental investigation of a "temperature saturation" of the working part of a high-frequency (video) recording head, accompanied by a considerable expansion of the effective gap, is reported. Relations between the effective gap width, the recording-head current, and the metal-gap-fill temperature, for the case of a contactless recording by a ferrite

Card 1/2

ACCESSION NR: AP4031092

head, are established. It is shown that in some cases, the maximum density of a magnetic recording is limited by the above phenomena. Some conclusions are extended over to the case of a contact magnetic recording. Experiments were intended to provide a qualitative verification of the formulas and to evaluate quantitatively the temperature phenomena accompanying video recording and reproduction. Thermal radiation and thermal conductivity of ferrite were measured, as were the temperatures of the gap fill and the effective gap width. The effect of the head current and tape speed (up to 80 m/sec) on the temperature of the working part was determined (curves supplied). It is recommended that specifications on h-f ferrite contain requirements regarding its thermomagnetic characteristics. Orig. art. has: 10 figures and 22 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 30Apr64

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NCL: 00

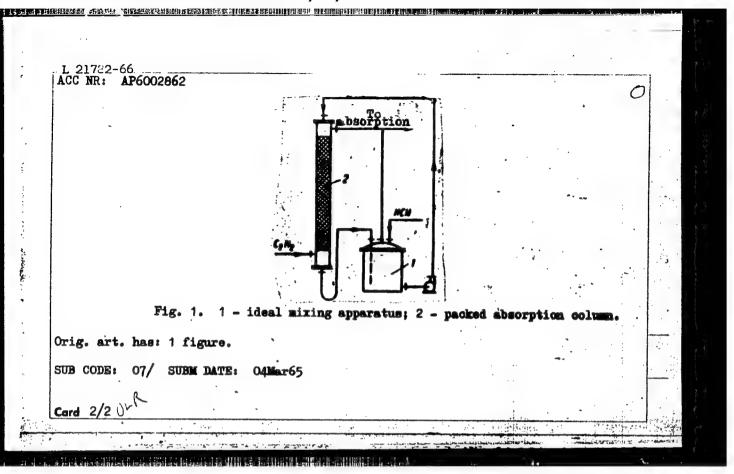
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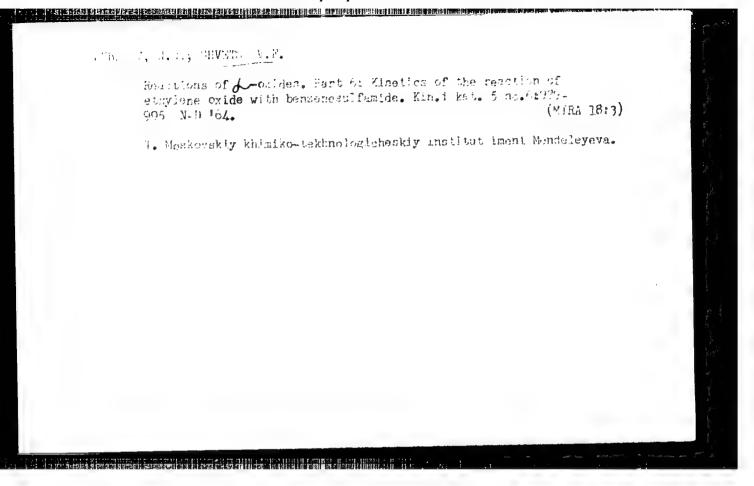
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Card 2/2

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L 21782-66 EWT(m)/EWP(j)/T IJP(c) WW/RM SOURCE CODE: UR/0286/65/000/024/002  AUTHORS: Shvets, V. F.; Gus'kov, K. A.; Gribov, A. M.; Zelenskiy, A. P.; Zor	24 )
ORG: none  TITLE: A method for obtaining acrylic acid nitrile. Class 12, No. 176890  TOPIC TAGS: acetylene, acrylic acid, hydrocyanic acid, organic nitrile comportance. This Author Certificate presents a preparative method for a nitrile acrylic acid, based on a reaction between acetylene and hydrocyanic acid in presence of a Newland catalyst. To increase the product yield, the catalyst saturated with acetylene prior to reaction, and the reaction is carried out in ideal mixing apparatus. The saturation of the catalyst with acetylene is carried out in a packed absorption column (see Fig. 1).	e of
Card 1/2	





SHVETS, V.I.; VOLKOVA, L.V.; PREOBLAZHENSKIY, N.A.

Lipides. Part E: Synthesis of A. B.—dilinoleoin. Zhur.ob.khim.
31 no.7:2181-2183 J1 '61.

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V. Lomonosova.

(Lipide)

SHVETS, V.I.; VOLKOVA, L.V.; PREOBRAZHENSKIY, N.A.

Complex lipides. Part 2: Synthesis of unsaturated and saturated \( \pi \)—cephalins. Zhur.ob.khim. 31 no.7:2184-2186 J1 '61. (MIRA 14:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

(Cephalins)

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SHVETS, V.I.; BOGOSLOVSKIY, N.A.; POLYACHENKO, V.H.; VOLKOVA, L.V.; SAMOKHVALOV, G.I.; PREOBRAZHENSKIY, N.A.

Synthesis of phospholipides containing residues of higher aliphatic polyene acids. Dokl. AN SSSR 140 no.4:851-854 0 '61. (MIRA 14:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova i Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut. Predstavleno akademikom A.N.Nesmeyanovym. (Phosphatides) (Olefins)

SHVETS, V.I.; VOLKOVA, L.V.; TOLKACHEV, O.N.

Synthetic investigations in the field of curare alkaloids.

Part 9: Synthesis of a dimethyl ether of racemic chondrodendrine.

Izv. vys. ucheb. zav.; khim. i khim. tekh. 5 no. 3:445-448 62.

(MIRA 15:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova, kafedra khimii i tekhnologii tonkikh organicheskikh soyedineniy.

(Bebeerine)

VOLKOVA, L.V.; SHVETS, V.I.; RYZHENKOVA, S.F.; VARVARINA, N.B.; SHULOVIK, I.V.; PREOBRAZHENSKIY, N.A.

Lipides. Part 10: Synthesis of mixed α, β-diglycerides containing residues of higher acids of the aliphatic series. Zhur.ob.khim. 32 no.6:1764-1768 Je %2. (MIRA 15:6)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

(Glycerides) (Acids, Fatty)

SHVETS, V.I.; VOLKOVA, L.V.; PREOBRAZHENSKIY, N.A.

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Lipides. Part 12: Synthesis of unsaturated and saturated of dispersion of different acids. Zhur.ob.khim. 32 no.8:2474-2479 Ag 162. (MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

(Glycerides)

SHVETS, V.Z.; VOLKOVA, L.V.; LUKASHENKO, E.Ye.; PREOBRAZHENSKIY, N.A.

Lipides. Part 13: Synthesis of unsaturated of diglycerides of same or different acids. Zhur.ob.khim. 32 no.8:2479-2482 Ag
162.

1. Moskovskiy institut tonkoy khimicheskey tekhnologii inesi
M.V. Lonomosova.

(Glycerides)

SHVETS, V.I.; VOLKOVA, L.V.; VASIL'YEVA, V.V.; FILONOVA, L.M.; PREOBRAZHENSKIY, N.A.

Lipides. Part 18: Synthesis of mixed unsaturated & B -diglycerides. Zhur.ob.khim. 33 no.6:1843-1847 Je '63. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V.Lomonosova. (Glyceridea)

VOLKOVA, L.V.; SHVETS, V.1.; KHANDKAROVA, V.S.; HYZHENKOVA, S.F.; PREORRAZHENSKIY, N.A.

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Lipides. Part 19: Synthesis of optically active D-(--)-O-oleoyl-β-linoleoyl-glycerol. Zhur.ob.khim. 33 no.6: 1848-1851 Je '63. (MIRA 16:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova. (Glycerides)

OPARIN, A.I., akademik; GEL'MAN, N.S.; ZHUKOVA, I.G.; SHVETS, V.I.; CHERGAD ZE, Yu.N.; TSFASMAN, I.M.

FREE PROPERTY OF THE PROPERTY

Lipids of the dehydrogenase preparation from the cytophasmic membranes of Micrococcus lysodeicticus. Dokl. AN SSSR 152 no.1:228-230 S '63. (MIRA 16:9)

1. Institut biokhimii im. A.N.Bakha AN SSSR; Institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova i Institut biologicheskoy fiziki AN SSSR.

(LIPIDS) (DEHYDROGENASES) (BACTERIA, PATHOGENIC)

SHVETS, V. I.; ANTAL laslo; VOLKOVA, L. A.; PRECOBRAZHENSKIY, N.A.

Complex lipids. 17. a les of optically active dextrorotatory (natural) and racemic dilinosecyl- & lecithins. Zhur, ob. Khim. 34 no.6:1908-1911 Je '64. (MIRA 17:7)

1. Moskovskiy institut tonkoy khimiches $\kappa$   $\gamma$  tekhnologii imeni Lomonosova.

SHVETG, V.1.; DOROFFYEVA, E.T.; VOIKOVA, L.V.; GRUN-GRUHIMAYIO, M.A.;
SHMIDT, I.S.; FREGREATHERSKIY, N.A.

Study of complex lipids. Paths in the synthesis of the starting substances of phospholipids. Zhur. ob. khim. 34 no.10:3303-3308
0 '64. (MIRA 17:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

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SHVENS, V.I.; W. OFFERNI, F.E., OFFE-AFFERNIAYOR, ALICE FOR ME. I.S.; FOLKOVA, E.V.; FILEBERZERIUKIN, M.A.

Complex lipids. Synthesis of the obtaining and destro-levorotatory Alpha-phosphatidylend? In (lectuling) with equal and different acid residues. Inst. Ob. Lip. 30 :0.10:3983-3986 D 1/1 (MIRA 18:1)

4. Moskovskiy Institut tonin y knimichoskov tekhnolovili imeni M.Y. Lemonoporov.

OPARIN. A.I.: LUKCYAR VA, M.A.; SHVETS, V.I.; GEL'MAN, N.S.; TORKHOVSKAYA, T.I.

Role of lipids in the organization of enzymatic chains of electron transfer in Micrococcus lysodeikticus. Zhur. evol. biokhim. i fiziol. 1 no.1:7-15 Ja-F:65. (MIRA 18:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR i Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

GOLIKOVA, V.S.; MITROFANOVA, T.K.; SHVETS, V.I.; ZUBOV, F.I.; PREOBRAZHENSKIY, N.A.

Spectral studies of vegetable oils and animal fats. Report No. 1: Infrared spectra of triglycerides. Zhur.org.khim. 1 no.3:433-439 Mr 165. (MIRA 18:4)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova i Institut fizicheskoy khimii AN SSSR.

GCLIKOVA, V.S.; SHVETS, V.I.; MITROFANGVA, T.E.; DOROFEYEVA, L.T.; ZUBOV, F.I.; PREOBRAZHENSKIY, N.A.

Spectral studies of vegetable cals and amimal fats. Report No. 2: Infrared spectra of \$\beta\$ glycerides. Zhur.org.knim. 1 no.3:439-445 Mr '65. (MIRA 18:4)

1. Moskovskiy institut tonkoy khimicheskey tekhnologii im. M.V. Lomonosova i Institut fizicheskoy khimii AN SSSR.

28877-66 ACC NR AP6018837 SOURCE CODE: UR/0079/65/035/003/0550/0554 AUTHOR: Volkova, L. V.; Shvets, V. I.; Dorofeyeva, L. T.; Lobanova, S. I.; Konstantinova, N. V.; Preobrazhenskiy, N. A. ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimicheskoy tekhnologii) TITIE: Investigations in the field of complex lipids. Synthesis of L- and DL-alphaphosphatidyl-N,N-(dimethyl)ethanolamines (I-and DL-alpha-N,N-dimethylcophalins) SOURCE: Zhurnal obshchey khimii, v. 35, no. 3, 1965, 550-554 TOPIC TAGS: IR spectrum, organic synthetic process, organic phosphorus compound L-(+)-and DL-alpha-palmitoyl-beta-oleoyl-alpha'-glyce-ABSTRACT: rylphosphoryl-N.N-(dimethyl)ethanolamines and DL-alpha, beta-distearoyl- and dipalmitoyl-alpha'-glycerylphosphoryl-N, N-(dimethyl) ethanolamines were synthesized according to the scheme developed earlier by the authors and associates for lecithins, cephalins, and phosphatidyl serines. During the synthesis, D-(+)- and DLalpha-palmitoyl-alpha'-benzylglycerines, D-(+)- and DL-alphapalmitoyl-beta-oleoyl-alpha'-benzylglycerines, D-(+)- and DL-alphapalmitoyl-beta-9,10-dibromostearoyl-alpha -benzylglycerines, D-(+)and DL-alpha palmitoyl-beta-9,10-dibromostearylglycerines, and D-(-)- and DL-alpha-palmitoyl-beta-oleoylglycerines were produced Card 1/2 UDC: 547.426:547.915

and characterized. The infrared spectra of the N,I phalines obtained exhibited the band characteristic phosphatides, with pronounced frequencies for the control of the con	covalent POC	
group $(960-980 \text{ cm}^{-1})$ , the C=0 group in esters $(172 \text{ and the CH}, \text{ CH}_2, \text{ and CH}_2 \text{ groups in acid radicals } (1260, 1450-1460, 2850-2950 cm-1). Orig. art. has: 1$	5-1745 cm <sup>-1</sup> ), 720-740, 1250- formula. [JPRS]	
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L 28878-66 SOURCE CODE: UR/0079/65/035/003/0554/0556 ACC NRI AP6018838 Shvets, V. I.; Morozova, S. F.; Volkova, L. V.; Preobrashenskiv. AUTHOR: ORG: Moscow Institute of Fine Chemical Technology in H. V. Lomonogy (Moskovskiy institut tonkoy khimicheskoy tekhnologii) TITIE: Investigations in the field of complex lipids. Synthesis of alpha-(alphalinolencyl-beta-linolecyl)glycerylphosphorylethanolamine, Cephalin) SOURCE: Zhurnal obshchey khimii, v. 35, no. 3, 1965, 554-556 TOPIC TAGS: organic synthetic process, organic phosphorus compound A highly unsaturated alpha-cephalin: alpha-(alpha'-ABSTRACT: linolenoyl-beta-linoleoyl)glycerylphosphorylethanolamine -- was synthesized through a series of steps. The basic starting materials were beta-monoglycerides, produced by acylation of alpha, alpha'-benzylideneglycerin, followed by removal of the benzylidene group by hydrolysis with boric acid. The benzylidene method prevented saturation of the cis-C=C bonds of the acyl radicals, while avoiding subsequent catalytic hydrogenolysis. [JPRS] SUB CODE: 07 / SURM DATE: 27Jan64 / ORIG REF: 003 / OTH REF: 003 Card 1/1 IDC: 547,426:548,915

LUATTANCY, A.V.; LYREIT, C.E. CRESTS, J.I.; EPECTON PROSENT, P.C.

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AUTHOR: Shvots, V. I.; Volkova, L. V.; Miroshnikov, A. I.; Morozova, S. F.; 46 Grineva, V. G.; Polyanskaya, V. A.; Preobrazhenskiy, N. A.	
Fineva, 74 Cer 1997 W Lomonosov (Moskovskiy)	
ORG: <u>Noscon Institute of Fine</u> Chemical Technology im. H. V. Lomonosov (Moskovskiy institut tonkoy khimicheskoy tekhnologii)	
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TITIE: Investigations in the field of complex lipids. Synthesis of phosphatidyl-	
serines with residues of disabilities	0%. 11
SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 49-54	5
TOPIC TAGS: chemical synthesis, oleic acid, phosphorus compound, IR spectrum	15
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ABSTRACT: The synthesis of highly unsaturated alpha-phosphate synthesis of highly unsaturated alpha-phosphate synthesis were with oldic and linoleic acid residues is described. Starting materials were with oldic and linoleic acid residues is described. Starting materials were with oldic and linoleic acid residues is described.	
with oldic and linoleic acid residues is described. N-phthaloylserine, alpha, beta-diglycerides and the ter-butyl ester of N-phthaloylserine, with the	
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oleoyl) and alpha'-(alpha', beta-dilinoleoyl) glycelyalmosphere, were synthesized. Alpha-(alpha'-linoleoyl-beta-oleoyl) and alpha-(alpha', were synthesized. Alpha-(alpha'-linoleoyl-beta-oleoyl) and alpha-(alpha', were synthesized.	TO I
were synthesized. Alpha-(alpha-linoleoylebotassized beta-dilinoleoyl) glycerylphosphoryl-N-phthaloylsorines were synthesized beta-dilinoleoyl) glycerylphosphoryl-N-phthaloylsorine.	P ()
beta-dilinolecyl) glycerylphosphoryl-N-phthaloylserines from alpha, beta-diglycerides and the ter-butyl ester of N-phthaloylserine.  The tert-butyl ester of alpha-bromo-beta-benzyloxy-propionic acid,	M. A.
The tert_butyl ester of alpha-brokensessations	Pro No
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1 34012-66 ACC NR: AP6025528  Obenzyl-N-phthaloylserine, the ter-butyl ester of Obenzyl-N-phthaloylserine, Obenzyl-N-phthaloylserine, and the ter-butyl ester of Obenzyl-N-phthaloyl- serine were produced and characterized. The structures of the alphables ophosphatidylserines were confirmed by their infrared spectra. Orig. art. has:  I figure. [JRRS: 35,998]	0	The state of the s
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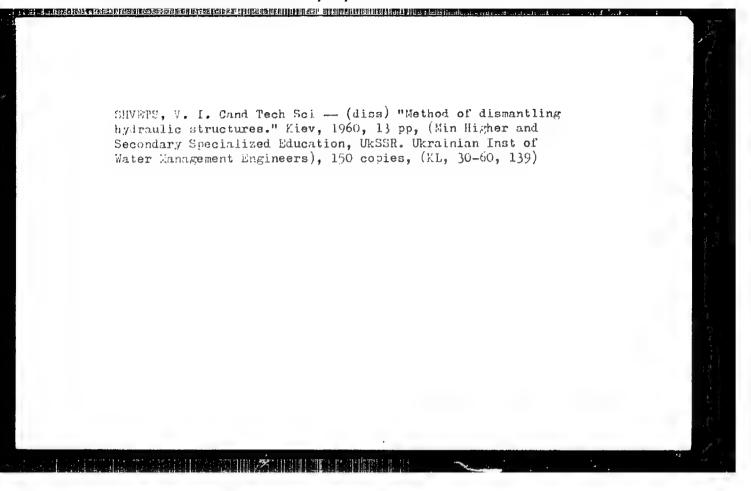
LEBEDICH, Nikolay Vasil'yevich [Lebedych, M.V.]; SHVETS', Viktor Ivanovich; NAZARENKO, N., red., NARINSKAYA, A. [Narins'ka, A.], tekhn. red.

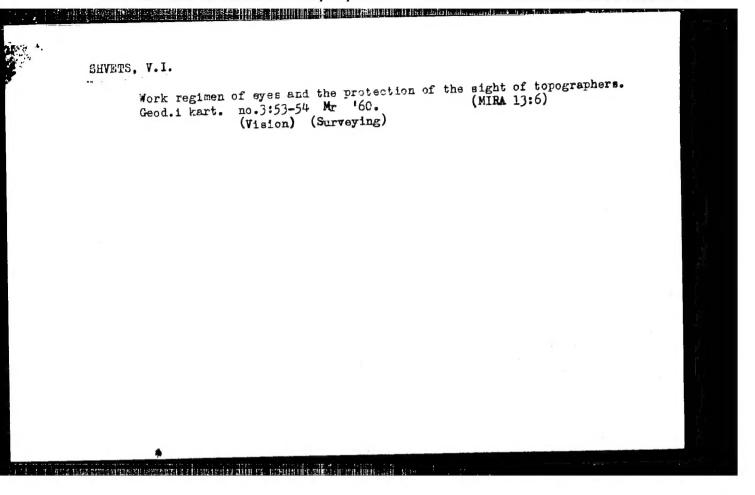
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SHVETS, Viktor Ivanovich; ANDRUSHCHENKO, V., redaktor; ZELENKOVA, Ye., tekhnicheskiy redaktor

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Everyone guarentees good work. Metalling 9 no.12:38-3 D 144.

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1. Master stand 825 zavoda "Dneprospetsstall".

LERNER, S.M.; RYEKIN, F.G.; SHVETS, V.K.; KOVALENKO, V.I.; LOBAMOVA, Ye.G.

Changing the slaking process of the silicate mass in producing silicate bricks. Rats. i izobr.predl. v stroi. no.118:11-12 '55. (KLRA 9:7)

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